

## CLAIMS

1. A method enabling mobility of a wireless terminal in a local network conforming to the IEEE 802.1Q standard, said network including:

5       - radio access points transparent for frames conforming to the IEEE 802.1Q standard;

      - mobile terminals belonging to a plurality of virtual networks and each having an Internet address;

10       - at least one switch and at least one router, all the switches being configured to operate in virtual networks using Internet addresses;

the method consisting in:

      - configuring in accordance with the IEEE 802.1Q standard:

15       -- all switch ports that are connected to radio access points;

      -- each switch port that is used for a switch-switch or switch-router connection; and

20       -- the interface of each router connected to a switch;

      - setting up a link between the local area network and a mobile terminal via a switch port and via a radio access point connected to said port; and

25       - writing a virtual network identifier in accordance with the IEEE 802.1Q standard in the header of each frame sent by said mobile terminal to the local area network.

30 2. A radio interface device for a wireless terminal for using said terminal in a local area network conforming to the IEEE 802.1Q standard, said network including a plurality of terminals respectively belonging to a plurality of virtual networks, said terminals each having an Internet address;

35 wherein said interface includes means for writing a virtual network identifier in the header of each frame sent by said terminal to the network.

3. A device according to claim 2, wherein the means for writing in the header include means for storing a fixed identifier.

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4. A device according to claim 2, wherein the means for writing in the header include means for determining an identifier as a function of the Internet address of the terminal and in accordance with the rules of belonging to a virtual network.

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